

**IN THE SPECIFICATION:**

Page 13, replace paragraph [0051] with the following amended paragraph.

The intraoral camera can be introduced at one end 2 into an oral cavity 3 of a patient 4 and the recorded image data of an object 20 can be read by device 7 via a cable 6. The evaluation unit 16 computes a relief image of the object to be imaged 20 from several basic camera images that are out-of-phase with each other and are grouped so as to form at least two groups of basic images. The evaluation unit 16 can comprise components of a commercial PC. The camera 1 exhibits a projection ray trajectory 13 for the production of a striped pattern on the object to be imaged 20. Via a trajectory of observation 15 the striped pattern projected on to the object to be imaged 20 is recorded as a basic image by a detector 17.